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Docket No.: S1459.70078US00
(PATENT)

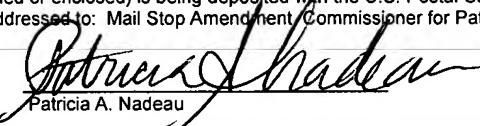
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masahiro Morooka et al.
Serial No.: 10/541877
Confirmation No.: 7947
Filed: July 8, 2005
For: PHOTOELECTRIC CONVERSION ELEMENT AND PROCESS
FOR FABRICATING THE SAME, ELECTRONIC DEVICE AND
PROCESS FOR FABRICATING THE SAME
Examiner: Not Yet Assigned
Art Unit: 2822

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: July 20, 2006


Patricia A. Nadeau

TRANSMITTAL LETTER

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced
Patent Application:

1. Supplemental Information Disclosure Statement;
2. PTO Form 1449; and
3. Copies of cited references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 23/2825, under Docket No.

S1459.70078US00. A duplicate copy of this paper is enclosed.

Dated: July 20, 2006

Respectfully submitted,

By Randy J. Pritzker

Randy J. Pritzker

Registration No.: 35,986

WOLF, GREENFIELD & SACKS, P.C.

Federal Reserve Plaza

600 Atlantic Avenue

Boston, Massachusetts 02210-2206

(617) 646-8000



DOCKET NO.: S1459.70078US00

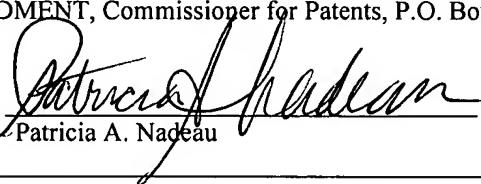
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masahiro Morooka et al.
Serial No.: 10/541,877
Confirmation No.: 7947
Filed: July 8, 2005
For: PHOTOELECTRIC CONVERSION ELEMENT AND
PROCESS FOR FABRICATING THE SAME,
ELECTRONIC DEVICE AND PROCESS FOR
FABRICATING THE SAME

Examiner: Novacek, Christy L.
Art Unit: 2822

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 20th day of July, 2006.



Patricia A. Nadeau

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant would like to bring to the Examiner's attention the following other information, whose relevance is discussed in Part III below:

PART III: Explanation of References and Remarks Concerning Other Information Cited

The following are remarks concerning the other information cited: The Applicant does not necessarily agree with the substance of the attached e-mail regarding the relevance of the prior art.

PART IV: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

Serial No.: 10/541,877
Conf. No.: 7947

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Art Unit: 2822

An early and favorable action is hereby requested.

Respectfully submitted,

By:

Randy J. Pritzker

Randy J. Pritzker, Reg. No. 35,986
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2206
Telephone: (617) 646-8000

Docket No.: S1459.70078US00

Date: July 20, 2006

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PATENT & TRADEMARK OFFICE
JUL 24 2006
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FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/541,877	ATTY. DOCKET NO.: S1459.70078US00
				FILING DATE: July 8, 2005	CONFIRMATION NO.: 7947
				APPLICANT: Masahiro Morooka et al.	
				GROUP ART UNIT: 2822	EXAMINER: Novacek, Christy L.
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		6,602,998		Kobuke et al.	08-05-2003
		6,376,765	B1	Wariishi et al.	04-2002
		6,586,670	B2	Yoshikawa, Masaru	07-2003
		6,766,817		Elson Silva	07-27-2004
		5,940,550		Plickert et al.	08-17-1999
		6,911,595		Yoshikawa et al.	06-2005
		US2002/0031080	A1	Inoue	03-14-2002
		US2003/0183271	A1	Ikeda et al.	10-02-2003
		US2004/0251508	A1	Takashi Tomita	12-16-2004
		US2005/0218467	A1	Takashi Tomita	10-06-2005
		US2006/0048812	A1	Takashi Tomita	03-09-2006
		US2005/0224112	A1	Yuichi Tokita et al.	10-13-2005
		US2006/0084257	A1	Yuichi Tokita	04-20-2006
		US2005/0016578	A1	Masashi Enomoto	01-27-2005
		US2004/0250267	A1	Hideaki Tsutsumi et al.	12-09-2004
		US2004/0202064	A1	Inoue et al.	10-14-2004
		US2005-0022221	A1	Inatani et al.	01-27-2005
		US2002/289269	A1	Yoshisada Nakamura	02-07-2002
		US2006/0137739	A1	Imoto et al.	06-29-2006

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
		Japan	JP10-255863	A		09-25-1998	N
		Japan	JP2001-93591	A		04-06-2001	N
		Japan	JP2000-106222	A		04-11-2000	N
		Japan	JP2002-352870	A		12-06-2002	N
		Japan	JP2002-352869	A		12-06-2002	N
		Japan	JP2002-352868	A		12-06-2002	N
		Japan	JP2002-289274	A		10-04-2002	N
		Japan	JP11-354169	A		12-24-1999	N
		Japan	JP2001-253883	A		09-18-2001	N
		Japan	JP2002-25635	A	Japan Science and Technology Corp.	01-02-2002	N
		Japan	JP2002-8741	A	Fuji Photo Film Co., Ltd.	01-11-2002	N
		Japan	JP2000-285975	A		10-13-2000	N
		Japan	JP2000-195569	A	Toshiba Corp.	07-14-2000	N
		Japan	JP2001-143771	A		05-25-2001	N
		Japan	JP2002-222971	A		08-09-2002	N

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 2 of 2

APPLICATION NO.:	10/541,877	ATTY. DOCKET NO.:	S1459.70078US00
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GROUP ART UNIT:	2822	EXAMINER:	Novacek, Christy L.

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		Office/Country	Number	Kind Code			
		Europe	EP 1 100 086	A2	Sony Corporation	05-16-2001	
		Europe	EP 1 152 418	A1	Sony Corporation	11-07-2001	
		Europe	EP 1 058 260	A1	Sanyo Electric Co., Ltd.	12-06-2000	
		Europe	EP 1 431 971	A1	Sony Corporation	06-23-2004	
		Europe	EP 1 156 488	A2	Sony Corporation	11-21-2001	
		Japan	JP2002-319689	A	Sharp Corp.	10-31-2002	
		Japan	JP2000-231942	A	Nikon Corp.	08-22-2000	
		Japan	JP2002-8740	A		01-11-2002	
		Japan	JP2002-289269	A	Toyota Central Res. & Dev. Labs. Inc.	10-04-2002	

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		UCHIDA, Satoshi, "Application of Titania Nanotubes to A Dye-Sensitized Solar Cell," Electrochemistry, June 2002, Vol. 70, No. 6, pp. 418-420	
		ADACHI, Motonari, "Dye-Sensitized Solar Cells Using Semiconductor Thin Film Composed of Titania Nanotubes," Electrochemistry, June 2002, Vol. 70, No. 6, pp. 449-452	
		ADACHI, Motonari, "Formation, Characterization, and Functions of Ceramic Nanotubes," Transactions of the Materials Research Society of Japan, September 2002, Vol. 27, No. 3, pp. 505-508	
		NGAMSINLAPASATHIAN, S., "Titania Nanotube o Mochiiru Shikiso Zokan Taiyodenchi no Kokoritsuka," The Society of Chemical Engineers, Japan Dai 35 Kai Shiki Taikai Kenkyu Happyo Koen Yoshishu, August 2002, p. 843	
		NGAMSINLAPASATHIAN, S., "Higher Efficiency in Dye-Sensitized Solar Cells Using Titania Nanotube," 2002 Nen Denki Kagaku Shiki Taikai Koen Yoshishu, September 2002, p. 138	
		ADACHI, M., "Formation of Titanium Oxide Nanotubes and Application to Dye-Sensitized Solar Cells," The Electrochemical Society of Japan Dai 68 Kai Taikai Koen Yoshishu, March 2001, p. 112	
		MURATA, Y., The Synthetic Conditions of Titania Nanotubes Using Template of Molecular Assemblies," CSJ: The Chemical Society of Japan Dai 82 Shiki Nenkai Koen Yokosho, September 2002, p. 178	
		E-mail from Silva, E ; "US 20060107994 - Requesting IDS of 6,766,817"; May 25, 2006	
		E-mail from Silva, E ; "US 20050016578 - Requesting IDS of 6,766,817"; May 25, 2006	

EXAMINER:

DATE CONSIDERED:

[#] EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]